

Our Intent

At Kingsley, we recognise that mathematics is a fundamental tool for everyday life. It is an interconnected web of concepts and relationships that provide a way of viewing and making sense of the world. It is used to analyse and communicate information and ideas. We aim to provide a range of experiences to equip our children to tackle a range of practical tasks and real life problems.

We aim for our children to:

- Develop a positive attitude towards mathematics.
- Become competent and gain confidence in mathematical knowledge, concepts and skills.
- Gain an ability to solve problems, reason, think logically and work systematically and accurately.
- Be able to reason mathematically and communicate the mathematics that they use.
- Apply maths across the curriculum and in real life.
- Develop their ability to work both independently and in cooperation with others.

How do we do this?

- Power Maths. Power Maths is a clearly structured teaching and learning process that helps you make certain that every child masters each maths concept securely and deeply. For each year group, the curriculum is broken down into core concepts, taught in units. A unit divides into smaller learning steps – lessons. Step by step, strong foundations of cumulative knowledge and understanding are built.
- Each lesson is scaffolded with Textbook and Practice Book activities and always begins with a Power Up activity
- Each lesson is structured with a power up, discover, share, think together, practice and reflect. Reflect is intended to bring learning together and complete with the teaching leading. Every lesson will include each one of these aspects.
- Variation aids visualisation. Children find it much easier to visualise and grasp concepts if they see them presented in a number of ways, so be prepared to offer and encourage many different representations.
- Each class will still complete 'Fluent in 5'.
- Arithmetic tests will be administered on top of daily Power Maths sessions.
- 'Deepening' activities will be utilised to extend more able pupils.
- 'Strengthening' activities will be utilised to support where needed in afternoon interventions.
- Questions are used to challenge thinking e.g. How do you know? Can you prove it? Are you sure? Is that right? What's the same/different about? Can you explain that? Questions are also used to further challenge children who have grasped the concept.
- Each term, children will complete an assessment test (PiXL) and Teachers will record attainment on Insight Tracking in line with the whole school assessment policy.
- Teachers will use PiXL to inform planning for therapies for groups of children addressing gaps.